

## ABSTRACT OF THE DISCLOSURE

The present invention relates to a message transmission system, and more particularly, to a control apparatus and method for relay node duplexing. In the invention, when the exchange of the active node relaying a message by buffering is requested, the duplexing control unit of the active node controls such that the active node performs only the message transmission function, and the duplexing control unit of the standby node controls such that the standby node performs only the message receiving function. When the messages already inputted to the active node before the exchange request are all transmitted, the completion of the exchange is controlled, and when the exchange is completed, the standby node obtains the active right, thereby preventing the loss of a message during the exchange operaiton.